

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	5	np-730	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:51
L2	4	(kbm adj2 "7803") same (kbm adj2 "7103")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:52
L3	4	(kbm adj2 "7803") AND (kbm adj2 "7103")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:52
L4	0	ethyltrimethoxysilane AND heptadecatrifluorodeciletrimethoxysilane	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:53
L5	0	trifluoropropyltrimethoxysilane AND heptadecatrifluorodeciletrimethoxysilane	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:53
L6	0	heptadecatrifluorodeciletrimethoxysilane	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:53
L7	4162	ethyltrimethoxysilane	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:53
L8	66	ethyltrimethoxysilane AND (fas)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:54
L9	66	ethyltrimethoxysilane AND ("fas")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:54
L10	44	ethyltrimethoxysilane AND (fluoroalkylsilane)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:55
S1	1	10/765366.app.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/29 09:49

## EAST Search History

S2	288614	(KIM KIM-ET-A KIM-ET-AL KIM-ET-SL KIM-SUN KIM-SUNGHEE).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:43
S3	6333	S2 and (silicon or vapor or deposit\$4 vaporization).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:41
S4	4465	S2 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:41
S5	2869	S2 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm. and silicon.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:42
S6	201	S2 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm. and silicon.clm. and polymer.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:42
S7	418	S2 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm. and silicon.clm. and (vapor or vaporization).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:42
S8	2	S2 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm. and silicon.clm. and (vapor or vaporization).clm. and vaporization.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:45
S9	30364	(LIM LIM-ET-AL LIM-S).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:45
S10	1	S9 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm. and silicon.clm. and (vapor or vaporization).clm. and vaporization.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:48
S11	242	(LIM-G LIM-GEUN LIM-GEUNBAE LIM-GEUN-BAE).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:45
S12	1	S11 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm. and silicon.clm. and (vapor or vaporization).clm. and vaporization.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:46

## EAST Search History

S13	310732	(LEE LEE-ET-AL LEE-S LEE-SOOSUK LEE-SOO-SUK LEE-SOO-SUK LEE-Y LEE-YOUNG LEE-YOUNG-SUN).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:48
S14	5	S13 and (silicon or vapor or deposit\$4 vaporization).clm. and substrate.clm. and silicon.clm. and (vapor or vaporization).clm. and vaporization.clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2006/09/26 15:57
S15	4	"6277480".pn. "6156389".pn. "6261431".pn. "6475722".pn.	USPAT	OR	ON	2006/09/26 16:08
S16	1	us-20020050456-\$.did.	US-PGPUB	OR	ON	2006/09/26 16:09
S17	23	(fluoroalkylsilane or (fluoro adj2 alkyl adj2 silane) or fas) same (vapor near3 deposition)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:58
S18	4375	(fluoroalkylsilane or (fluoro adj2 alkyl adj2 silane) or fas) same (heterogeneous or different or variable or (multi adj1 component) near8 (layer or film))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/09/26 16:59
S19	65	(fluoroalkylsilane or (fluoro adj2 alkyl adj2 silane) or fas) same (heterogeneous (multi adj1 component) near8 (layer or film))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/09/26 17:00
S20	65	(fluoroalkylsilane or (fluoro adj2 alkyl adj2 silane) or fas) same (heterogeneous (multi adj1 component) near8 (layer or film))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/09/26 17:02
S21	64305	(fluoroalkylsilane or (fluoro adj2 alkyl adj2 silane) or fas or fas3 or fas13 or fas17)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/09/26 17:03
S22	294	(fluoroalkylsilane or (fluoro adj2 alkyl adj2 silane) or fas or fas3 or fas13 or fas17) same (coat\$4 or deposit\$4) same (substrate or silicon or glass)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	OR	ON	2006/09/26 17:05
S23	139	(fluoroalkylsilane or (fluoro adj2 alkyl adj2 silane) or fas or fas3 or fas13 or fas17) same (coat\$4 or deposit\$4) same (substrate or silicon or glass)	USPAT	OR	ON	2006/09/26 17:05

\$

\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:08:08 ON 29 SEP 2006

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 10:08:26 ON 29 SEP 2006

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<http://www.cas.org/ONLINE/UG/regprops.html>

=> s ethyltrimethoxysilane

L1 140 ETHYLTRIMETHOXYSILANE

=> d 1

L1 ANSWER 1 OF 140 REGISTRY COPYRIGHT 2006 ACS on STN

RN 905719-98-4 REGISTRY

ED Entered STN: 01 Sep 2006

CN \*\*\*Poly[oxy(dimethylsilylene)], .alpha.-hydro-.omega.-hydroxy-, polymer\*\*\*  
\*\*\* with ethyltrimethoxysilane (9CI)\*\*\* (CA INDEX NAME)

MF (C5 H14 O3 Si . (C2 H6 O Si)n H2 O)x

CI PMS

PCT Polyether, Polyether only

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 31692-79-2

CMF (C2 H6 O Si)n H2 O

CCI PMS

/ Structure 1 in file .gra /

CM 2

CRN 5314-55-6

CMF C5 H14 O3 Si

/ Structure 2 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> s heptadecatrifluorodeciletrimethoxysilane

```

L2          0 HEPTADECATRIFLUORODECILETRIMETHOXYISILANE
            0 HEPTADECATRIFLUORODECILETRIMETHOXYISILANE

=> s heptadecatrifluorodecyletrimethoxysilane
            0 HEPTADECATRIFLUORODECYLETRIMETHOXYISILANE
L3          0 HEPTADECATRIFLUORODECYLETRIMETHOXYISILANE

=> s (2-perfluorooctyl)ethyltrimethoxysilane
MISSING OPERATOR

=> s 2-perfluorooctylethyltrimethoxysilane
    20967393 2
            13 PERFLUOROOCTYLETHYLTRIMETHOXYISILANE
L4          11 2-PERFLUOROOCTYLETHYLTRIMETHOXYISILANE
            (2(W)PERFLUOROOCTYLETHYLTRIMETHOXYISILANE)

```

```

=> d ti
'TI' IS NOT A VALID FORMAT FOR FILE 'REGISTRY'

```

The following are valid formats:

Substance information can be displayed by requesting individual fields or predefined formats. The predefined substance formats are: (RN = CAS Registry Number)

```

REG      - RN
SAM      - Index Name, MF, and structure - no RN
FIDE     - All substance data, except sequence data
IDE      - FIDE, but only 50 names
SQIDE    - IDE, plus sequence data
SQIDE3   - Same as SQIDE, but 3-letter amino acid codes are used
SQD      - Protein sequence data, includes RN
SQD3     - Same as SQD, but 3-letter amino acid codes are used
SQN      - Protein sequence name information, includes RN

CALC     - Table of calculated properties
EPROP    - Table of experimental properties
PROP     - EPROP and CALC

```

Any CA File format may be combined with any substance format to obtain CA references citing the substance. The substance formats must be cited first. The CA File predefined formats are:

```

ABS  -- Abstract
APPS -- Application and Priority Information
BIB  -- CA Accession Number, plus Bibliographic Data
CAN  -- CA Accession Number
CBIB -- CA Accession Number, plus Bibliographic Data (compressed)
IND  -- Index Data
IPC  -- International Patent Classification
PATS -- PI, SO
STD  -- BIB, IPC, and NCL

IABS -- ABS, indented, with text labels
IBIB -- BIB, indented, with text labels
ISTD -- STD format, indented

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
SIBIB ----- IBIB, no citations

```

The ALL format gives FIDE BIB ABS IND RE, plus sequence data when it is available.  
The MAX format is the same as ALL.  
The IALL format is the same as ALL with BIB ABS and IND indented, with text labels.

For additional information, please consult the following help messages:

```

HELP DFIELDS -- To see a complete list of individual display fields.
HELP FORMATS -- To see detailed descriptions of the predefined formats.
ENTER DISPLAY FORMAT (IDE):ide

```

L4 ANSWER 1 OF 11 REGISTRY COPYRIGHT 2006 ACS on STN  
RN 477699-61-9 REGISTRY  
ED Entered STN: 23 Dec 2002  
CN Methanone, [2-hydroxy-4-[3-(triethoxysilyl)propoxy]phenyl]phenyl-, polymer  
with (3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)trimethoxy  
silane, silica and trimethoxymethylsilane (9CI) (CA INDEX NAME)  
OTHER NAMES:  
CN \*\*\*2-Hydroxy-4-(3-triethoxysilylpropoxy)diphenylketone-\*\*\*  
\*\*\* methyltrimethoxysilane-2-perfluorooctylethyltrimethoxysilane-Snowtex\*\*\*  
\*\*\* copolymer\*\*\*  
MF (C22 H30 O6 Si . C13 H13 F17 O3 Si . C4 H12 O3 Si . O2 Si)x  
CI PMS  
PCT Polyether, Polyether formed, Polyother  
SR CA  
LC STN Files: CA, CAPLUS

CM 1

CRN 83048-65-1  
CMF C13 H13 F17 O3 Si

/ Structure 3 in file .gra /

CM 2

CRN 79876-59-8  
CMF C22 H30 O6 Si

/ Structure 4 in file .gra /

CM 3

CRN 7631-86-9  
CMF O2 Si

/ Structure 5 in file .gra /

CM 4

CRN 1185-55-3  
CMF C4 H12 O3 Si

/ Structure 6 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> FILE REG

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	29.80	30.01

FILE 'REGISTRY' ENTERED AT 10:11:30 ON 29 SEP 2006  
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DICTIONARY FILE UPDATES: 27 SEP 2006 HIGHEST RN 909000-49-3

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Please note that search-term pricing does apply when  
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and  
predicted properties as well as tags indicating availability of  
experimental property data in the original document. For information  
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> STR 83048-65-1

:END

L5 STRUCTURE CREATED

=> S L5 EXA SAM

SAMPLE SEARCH INITIATED 10:11:34 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED - 5 TO ITERATE

100.0% PROCESSED 5 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 5 TO 234  
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA EXA SAM L5

=>

=>

NO ANSWERS WERE FOUND

=> index all

FILE 'ENCOMPLIT2' ACCESS NOT AUTHORIZED

FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.44	30.45

FULL ESTIMATED COST

INDEX '1MOBILITY, 2MOBILITY, ABI-INFORM, ADISCTI, AEROSPACE, AGRICOLA,  
ALUMINIUM, ANABSTR, ANTE, APOLLIT, AQUALINE, AQUASCI, AQUIRE, BABS,  
BIBLIODATA, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA,  
CAOLD, CAPLUS, CASREACT, CBNB, CEABA-VTB, CERAB, ...'

ENTERED AT 10:11:49 ON 29 SEP 2006

136 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view  
search error messages that display as 0\* with SET DETAIL OFF.

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.61	31.06

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 10:11:59 ON 29 SEP 2006

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FILE COVERS 1907 - 29 Sep 2006 VOL 145 ISS 15  
FILE LAST UPDATED: 28 Sep 2006 (20060928/ED)

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=> s 5314-55-6/rn  
267 5314-55-6  
13 5314-55-6D  
L7 254 5314-55-6/RN  
(5314-55-6 (NOTL) 5314-55-6D )

=> s 83048-65-1/rn  
540 83048-65-1  
53 83048-65-1D  
L8 492 83048-65-1/RN  
(83048-65-1 (NOTL) 83048-65-1D )

=> s 17 and 18  
L9 3 L7 AND L8

=> d ti 1-3

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Oil dispersion of coated powder, cosmetics containing the dispersion, and coated cosmetic powder

L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
TI Window glass plates with decreased cloudiness due to condensed steam for automobiles

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
TI A method for manufacture of inorganic powder composites as sunscreens

=> d kwic

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
IT \*\*\*5314-55-6\*\*\* , Ethyltrimethoxysilane  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(SIE 4901.4; oil dispersion of powder coated with solid agents and liq. agents for cosmetics)  
IT 1185-55-3, KBM 13 1309-37-1, Red iron oxide, biological studies  
2530-85-0, A 174 2943-75-1, Octyltriethoxysilane 3069-42-9, TSL 8186  
5575-48-4, KBM 3103 7631-86-9, P 1500, biological studies 9004-53-9D,  
Dextrin, fatty acid esters 12174-53-7, FSE 13463-67-7, Titanium oxide  
(TiO2), biological studies 30399-84-9, Isostearic acid 31900-57-9D,  
Dimethylsilanediol homopolymer, trimethoxysilyl-terminated 31900-57-9D,  
Dimethylsilanediol homopolymer, trimethylsilyl-terminated 51274-00-1,  
Mapico Yellow Lemon 56275-01-5, BY 11-022 \*\*\*83048-65-1\*\*\* , TSL 8233  
83271-10-7, Rheoparl KL 108192-82-1, POWAX S 30 164849-42-7, X  
24-9826 422277-88-1, Tipaque TTO 55A  
RL: COS (Cosmetic use); BIOL (Biological study); USES (Uses)  
(oil dispersion of powder coated with solid agents and liq. agents for cosmetics)

=> d bib 1-3

L9 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2002:202283 CAPLUS <<LOGINID::20060929>>  
DN 136:252272  
TI Oil dispersion of coated powder, cosmetics containing the dispersion, and coated cosmetic powder  
IN Hasegawa, Yukio; Ohara, Akira  
PA Miyoshi Kasei Inc., Japan  
SO Jpn. Kokai Tokkyo Koho, 25 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese



FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2002080748	A2	20020319	JP 2000-275413	20000911
PRAI	JP 2000-275413		20000911		

L9 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2000:715462 CAPLUS <<LOGINID::20060929>>  
 DN 133:285343  
 TI Window glass plates with decreased cloudiness due to condensed steam for automobiles  
 IN Sugawara, Akiko; Wada, Makoto; Kai, Yasuaki  
 PA Nissan Motor Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 8 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2000281389	A2	20001010	JP 1999-92103	19990331
PRAI	JP 1999-92103		19990331		

L9 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1997:476079 CAPLUS <<LOGINID::20060929>>  
 DN 127:85834  
 TI A method for manufacture of inorganic powder composites as sunscreens  
 IN Harakawa, Shoji  
 PA Sumitomo Chemical Co., Ltd., Japan  
 SO Jpn. Kokai Tokkyo Koho, 7 pp.  
 CODEN: JKXXAF  
 DT Patent  
 LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 09143030	A2	19970603	JP 1995-302846	19951121
PRAI	JP 1995-302846		19951121		

=> s (fluoroalkylsilane and trifluoropropyltrimethoxysilane)

349 FLUOROALKYLSILANE  
 119 FLUOROALKYLSILANES  
 402 FLUOROALKYLSILANE  
 (FLUOROALKYLSILANE OR FLUOROALKYLSILANES)  
 156 TRIFLUOROPROPYLTRIMETHOXYISILANE

L10 9 (FLUOROALKYLSILANE AND TRIFLUOROPROPYLTRIMETHOXYISILANE)

=> s (heptadecatrifluorodecyltrimethoxysilane and trifluoropropyltrimethoxysilane)

2 HEPTADECATRIFLUORODECYLTRIMETHOXYISILANE  
 156 TRIFLUOROPROPYLTRIMETHOXYISILANE

L11 0 (HEPTADECATRIFLUORODECYLTRIMETHOXYISILANE AND TRIFLUOROPROPYLTRIMETHOXYISILANE)

=> d ti 1-9 110

L10 ANSWER 1 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Dynamic hydrophobicity of water droplets on the line-patterned hydrophobic surfaces

L10 ANSWER 2 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Surface potential microscopy for organized molecular systems

L10 ANSWER 3 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Iron-based black composite powders, their manufacture, coatings containing them, and rubber or resin compositions colored by the powders

L10 ANSWER 4 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Hydrophobic metal compound powder and its manufacturing method

L10 ANSWER 5 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI Formation and patterning of organic monomolecular film

L10 ANSWER 6 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN  
 TI fluoropolymer-treated carbon fiber compositions for sliding parts

L10 ANSWER 7 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

TI Lustering agents for automobile bodies

L10 ANSWER 8 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

TI Antifogging coatings from \*\*\*fluoroalkylsilane\*\*\* derivatives

L10 ANSWER 9 OF 9 CAPLUS COPYRIGHT 2006 ACS on STN

TI Manufacture of fluoride-doped glass

=> 83048-65-1/rn

540 83048-65-1

53 83048-65-1D

L12 492 83048-65-1/RN

(83048-65-1 (NOTL) 83048-65-1D )

=> file registry

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

29.97

61.03

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REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s trifluoropropyltrimethoxysilane

L13 23 TRIFLUOROPROPYLTRIMETHOXYISILANE

=> d 1

L13 ANSWER 1 OF 23 REGISTRY COPYRIGHT 2006 ACS on STN

RN 892120-55-7 REGISTRY

ED Entered STN: 11 Jul 2006

CN Silane, trimethoxymethyl-, polymer with trimethoxy[2-(7-oxabicyclo[4.1.0]hept-3-yl)ethyl]silane and trimethoxy(3,3,3-trifluoropropyl)silane (9CI) (CA INDEX NAME)

OTHER NAMES:

CN \*\*\*2-(3,4-Epoxy cyclohexyl)ethyltrimethoxysilane-methyltrimethoxysilane-\*\*\*

\*\*\* 3,3,3-trifluoropropyltrimethoxysilane copolymer\*\*\*

MF (C11 H22 O4 Si . C6 H13 F3 O3 Si . C4 H12 O3 Si)x

CI PMS

PCT Polyether, Polyether formed, Polyether

SR CA

LC STN Files: CA, CAPLUS

CM 1

CRN 3388-04-3

CMF C11 H22 O4 Si

/ Structure 7 in file .gra /

CM 2

CRN 1185-55-3  
CMF C4 H12 O3 Si

/ Structure 8 in file .gra /

CM 3

CRN 429-60-7  
CMF C6 H13 F3 O3 Si

/ Structure 9 in file .gra /

1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE  
ENTRY

TOTAL  
SESSION

FULL ESTIMATED COST

7.10

68.13

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FILE LAST UPDATED: 28 Sep 2006 (20060928/ED)

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=> s 83048-65-1/rn and 429-60-7/rn

540 83048-65-1

53 83048-65-1D

492 83048-65-1/RN

(83048-65-1 (NOTL) 83048-65-1D )

356 429-60-7

32 429-60-7D

325 429-60-7/RN

(429-60-7 (NOTL) 429-60-7D )

L14 85 83048-65-1/RN AND 429-60-7/RN

=> s 83048-65-1/rn (50a) 429-60-7/rn

PROXIMITY OPERATION NOT ALLOWED

Certain operators may not be nested in combination with other operators. A nested operator is valid only when it occurs at the same level or above the operator outside the nested phrase as determined by the following precedence list:

1. Numeric
2. (W), (NOTW), (A), (NOTA)
3. (S), (NOTS)
4. (P), (NOTP)
5. (L), (NOTL)
6. AND, NOT

For example, '(MONOCLONAL(W)ANTIBOD?)(L)ANTIGEN?' is valid since (W) is above (L) on the precedence list. However, '((THIN(W)LAYER)(L)PHOSPHOLIPID#)(A)LACTONE#' is not valid since (L) is below (A) on the precedence list. The only exception is the 'OR' operator. This operator may be used in combination with any other operator. For example, '(ATOMIC OR NUCLEAR)(W)REACTOR' is valid.

=> s l14 and (vapor (5a) deposit?)

518345 VAPOR

71455 VAPORS

560519 VAPOR

(VAPOR OR VAPORS)

892742 DEPOSIT?

173342 VAPOR (5A) DEPOSIT?

L15 13 L14 AND (VAPOR (5A) DEPOSIT?)

=> d ti 1-13

L15 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Method for stable formation of antistaining coatings and thus formed coatings

L15 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Method for stable formation of antistaining coatings and thus formed coatings

L15 ANSWER 3 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Antisoiling thin films and their formation by atmospheric plasma CVD

L15 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Optical film for lenses and filters and device for \*\*\*vapor\*\*\*  
\*\*\*deposition\*\*\* of fluorinated organometals

L15 ANSWER 5 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Optical instruments having crack-free uniform antisoiling surface layers and chemical \*\*\*vapor\*\*\* \*\*\*deposition\*\*\* apparatus for manufacturing them

L15 ANSWER 6 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Automobile window glasses without coating unevenness and \*\*\*vapor\*\*\*  
\*\*\*deposition\*\*\* apparatus therefor

L15 ANSWER 7 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Method of depositing diamon-like carbon inclusive coating on substrate

L15 ANSWER 8 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Surface potential contrasts between silicon surfaces covered and uncovered with an organosilane self-assembled monolayer

L15 ANSWER 9 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Ion beam deposition method with substrate heating for prepn. of hydrophobic diamond-like carbon coating systems with improved adhesion and service-life on windshields

L15 ANSWER 10 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Coated article including a DLC inclusive layer and a layer deposited using fluoro-alkyl silane gas, and corresponding method

L15 ANSWER 11 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Formation and patterning of organic monomolecular film

L15 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Fluoroalkylsilane Monolayers Formed by Chemical Vapor Surface Modification on Hydroxylated Oxide Surfaces

L15 ANSWER 13 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

TI Coating of transparent water-repellent thin films by plasma-enhanced CVD

=> d kwic 12

L15 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN

IT \*\*\*Vapor\*\*\* \*\*\*deposition\*\*\* process

(chem., surface modification; water repellent fluoroalkylsilane monolayers formed by chem. vapor surface modification on hydroxylated oxide surfaces)

IT \*\*\*429-60-7\*\*\* \*\*\*83048-65-1\*\*\* 85857-16-5  
RL: MOA (Modifier or additive use); PEP (Physical, engineering or chemical process); PRP (Properties); RCT (Reactant); PROC (Process); RACT (Reactant or reagent); USES (Uses)  
(water repellent fluoroalkylsilane monolayers formed by chem. vapor surface modification on hydroxylated oxide surfaces)

=> d bib 12

L15 ANSWER 12 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 1999:539000 CAPLUS <<LOGINID::20060929>>  
DN 131:277366  
TI Fluoroalkylsilane Monolayers Formed by Chemical Vapor Surface Modification on Hydroxylated Oxide Surfaces  
AU Hozumi, Atsushi; Ushiyama, Kazuya; Sugimura, Hiroyuki; Takai, Osamu  
CS Department of Materials Processing Engineering Graduate School of Engineering, Nagoya University, Nagoya, 464-8603, Japan  
SO Langmuir (1999), 15(22), 7600-7604  
CODEN: LANGD5; ISSN: 0743-7463  
PB American Chemical Society  
DT Journal  
LA English  
RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d bib 1,2,4

L15 ANSWER 1 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:522354 CAPLUS <<LOGINID::20060929>>  
DN 143:45084  
TI Method for stable formation of antistaining coatings and thus formed coatings  
IN Arita, Hiroaki; Kudo, Kazuyoshi; Saito, Atsushi  
PA Konica Minolta Holdings, Inc., Japan  
SO Jpn. Kokai Tokkyo Koho, 33 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005154787	A2	20050616	JP 2003-390911	20031120
PRAI	JP 2003-390911		20031120		
OS	MARPAT 143:45084				

L15 ANSWER 2 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:519517 CAPLUS <<LOGINID::20060929>>  
DN 143:45079  
TI Method for stable formation of antistaining coatings and thus formed coatings  
IN Arita, Hiroaki; Kudo, Kazuyoshi; Saito, Atsushi  
PA Konica Minolta Holdings, Inc., Japan  
SO Jpn. Kokai Tokkyo Koho, 34 pp.  
CODEN: JKXXAF  
DT Patent  
LA Japanese  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 2005154788	A2	20050616	JP 2003-390912	20031120
PRAI	JP 2003-390912		20031120		
OS	MARPAT 143:45079				

L15 ANSWER 4 OF 13 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2005:235521 CAPLUS <<LOGINID::20060929>>  
DN 142:306154  
TI Optical film for lenses and filters and device for \*\*\*vapor\*\*\*  
\*\*\*deposition\*\*\* of fluorinated organometals  
IN Kudo, Kazuyoshi; Arita, Hiroaki; Saito, Atsushi  
PA Konica Minolta Holdings, Inc., Japan

SO Jpn. Kokai Tokkyo Koho, 36 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 2005070647	A2	20050317	JP 2003-303110	20030827
PRAI	JP 2003-303110		20030827		
OS	MARPAT 142:306154				

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